The Indian Journal of Pediatrics

CONTENTS

Vol 73 : No 1-11

January 2006; Volume 73 : Number 1

ORIGINAL ARTICLES *Page*

Neonatal Morbidity and Placental Pathology
Rajeev Mehta, Shakuntala Nanjundaswamy, Susan Shen-Schwarz and Anna Petrova .. 25

Maternal Genital Bacteria and Surface Colonization in Early Neonatal Sepsis
Basavaraj M. Kerur, B. Vishnu Bhat, B.N. Harish, S. Habeebullah and C. Uday Kumar .. 29

Severe Pneumonia in a Remote Hilly Area : Integrated Management of Childhood Illness
Bhavneet Bharti, Sahul Bharti and Vandna Verma .. 33

Dehydration and Hypernatremia in Breast-fed Term Healthy Neonates
Swarna Rekha Bhat, Patricia Lewis, Angela David and Sr. Maria Liza .. 39

Child Survival and Safe Motherhood Program in Rajasthan
S.K. Jain, Uma Chawla, Neeru Gupta, R.S. Gupta, S. Venkatesh and Shiv Lal .. 43

Renal Function and Cardiac Angiography
Ayumi Niboshi, Masashi Nishida, Toshiyuki Itoi, Isao Shiraishi and Kenji Hamaoka .. 49

ADVANCES IN PEDIATRICS

Hyperglycemic Hyperosmolar Nonketotic Syndrome
R. Venkataraman and Sunit C. Singhi .. 55

Complementary Foods Associated Diarrhea
Mini Sheth and Reeta Dwivedi .. 61

SYMPOSIUM ON GROWTH AND ITS DISORDERS-II **Guest Editor :** *P.S.N. Menon*

Editorial : *P.S.N. Menon* .. 65

Insulin like Growth Factors Axis and Growth Disorders
Anurag Bajpai and P.S.N. Menon .. 67

Small for Gestation and Growth Hormone Therapy
Archana Dayal Arya .. 73

Psychosocial Effects of Short Stature
David Zlotkin and Surendra K. Varma .. 79

Growth in Precocious Puberty
Justin J. Brown and Garry L. Warne .. 81

Growth in Congenital Adrenal Hyperplasia
An TT Nguyen, Justin J. Brown and Garry L. Warne .. 89

CLINICAL BRIEFS

Salt Wasting Disorder in the Newborn
G. Ranjith, Susan Uthup, B. Satish and Naveen Jain .. 95

CONTENTS

	Page
Neonatal Pseudohypoparathyroidism *Manish Narang, Rashim Salota, and Sudeep Singh Sachdev* ..	97
Wilson's Disease Presenting As Respiratory Failure *P. Narayanan, G. Chetan and S. Mahadevan* ..	99
PICTURE OF THE MONTH	
Hay-Wells Syndrome of Ectodermal Dysplasia *M.K. Kulkarni, Shilpa Deshmukh, Deepa Matani and K. Gayatri* ..	101
LETTER TO THE EDITOR	
Single *vs* Multiple Therapy in Enteric Fever *S. Balasubramanian, Rajeswari, Sailakshmi and So. Shivbalan* ..	103
Display of Feeding Bottles in Advertising Renditions *Manpreet Seth and Devendra Mishra.* ..	104
Carers' Perspective in Quality of Life in Epilepsy *Nitin Gupta and S.K. Mattoo* ..	105
Author's Reply *Prahbhjot Malhi and Pratibha Singhi* ..	106
Is Hydrocortisone Really Better? *John Mathew and K. Sudeep* ..	107
Author's Reply *Vaman Khadilkar and Anuradha Khadilkar* ..	107
Weaning Advice to Mothers : A Point to Ponder over *Pankaj Garg* ..	108
Megaloblastic Anemia in a Child with Central Nervous System Manifestations *S.S. Kashyape, P.S. Kashyape and G.M. Kakade* ..	109
GUIDELINES FOR AUTHORS ..	111

February 2006; Volume 73 : Number 2

ORIGINAL ARTICLES

Neonatal Arrhythmias *Banani Poddar, Srikanta Basu and Veena R. Parmar* ..	131
Effectiveness of Individualized Education Program for Slow Learners *P. Krishnakumar, M.G. Geeta and Ramakrishna Palat* ..	135
Nutritional Status of Adolescents in Rural Wardha *P.R. Deshmukh, S.S. Gupta, M.S. Bharambe, A.R. Dongre, C. Maliye, S. Kaur and B.S. Garg* ..	139
Sarcoidosis : Child *vs* Adult *Halil Yanardag, Omer Nuri Pamuk, Sedat Uygun, Sabriye Demirci and Tuncer Karayel* ..	143
Efficacy of Caudal Butorphanol *Vinita Singh, Ashish Kanaujia and G.P. Singh* ..	147

CONTENTS

CLINICAL BRIEFS

Epilepsy with Myoclonic Absences
Talib Y. Surve, Gaurav Mittal, Sandhya S. Khadse and Sushma A. Khanna .. 151

Albright's Hereditary Osteodystrophy
Seema Kapoor, Siddhartha Gogia, Ritu Paul and Sharmila Banerjee .. 153

Hemiconvulsion, Hemiplegia, Epilepsy Syndrome and Inherited Protein S Deficiency
R.K. Mondal, D. Chakravorty and S. Das .. 157

Richner Hanhart Syndrome
Lalitha Janakiraman, Malathi Sathiyasekaran, M. Deenadayalan, R. Ganesh and Uma Mahesh .. 161

Tyrosinemia Type I–Diagnostic Issues and Prenatal Diagnosis
Sunita Bijarnia, Ratna D. Puri, Jean Ruel, George F. Gray, Linda Jenkinson and I.C. Verma .. 163

LETTERS TO THE EDITOR

Relationship between Serum Bilirubin and Coagulation Test
Secil Aydinoz .. 167

Author's Reply
Filiz Tiker .. 167

Non Traumatic Coma
Yash Paul .. 168

Authors' Reply
A. Bansal, Sunit Singhi and P. Singhi .. 168

Tuberculosis and Immune Hemolytic Anemia
Jitendra K. Sahu and S.K. Kabra .. 169

Authors' Reply
V. Gupta and B.D. Bhatia .. 169

Effect of Clofibrate in Jaundiced Term Neonates
S. Wazir, R.R. Angiti and P. Kumar .. 170

Author's Reply
Ashraf Mohammadzadeh .. 171

BOOK REVIEW .. 160

CURRENT LITERATURE

Decline of Hepatitis A in the US : Another Vaccine Success Story .. 142

NOTES AND NEWS .. 145, 150

CONTENTS

March 2006; Volume 73 : Number 3

Page

SPECIAL ARTICLE

National Rural Health Mission 193
Prasanna Hota

ORIGINAL ARTICLES

Neonatal Nosocomial Infections in Bahrami Children Hospital 197
Payman Salamati, Ali Akbar Rahbarimanesh, Masood Yunesian and Mohsen Naseri

Clinical Profile and Natural History of Children with HIV Infection 201
Rakesh Lodha, Amit Upadhyay, Vishal Kapoor and S.K. Kabra

Prevalence of Pediatric HIV in New Delhi 205
P. Parthasarathy, S.K. Mittal and V.K. Sharma

Magnesium Therapy in Birth Asphyxia 209
Geeta Gathwala, Atul Khera and Ishwar Singh

Psychosocial Impact and Personality Predictors of Coherence Feeling Among Girls with Acne 213
U. Brook

Ultrasound Guided Hydrostatic Reduction in the Management of Intussusception 217
Krishnakumar, Shahul Hameed and Umamaheshwari

Retroperitoneal Teratomas in Children 221
Amit Chaudhary, Samir Misra, Ashish Wakhlu, R.K. Tandon and A.K. Wakhlu

CLINICAL BRIEFS

Juvenile Amyotrophis Lateral Sclerosis 225
Anju Aggarwal and Shashiraj

Embryologic Preputial Sinus Remnant Mimicking Urethral Duplication 227
Salih Somuncu, Fatma Caglayan, Murat Cakmak and Sevgi Ulusoy

Crohn's Disease Presenting as Palatal Ulcer 229
R. Ganesh, N. Suresh, S. Ezhilarasi, Sarala Rajajee and Malathi Sathiyasekaran

Caroli's Disease 233
Ashish K. Gupta, Aradhana Gupta, V.K. Bhardwaj and Maya Chansoria

Hypereosinophilic Syndrome 237
C. Venkatesh, E.Mahender, S. Janani, S. Malathi, M. Vijayakumar and B.R. Nammalwar

Childhood Primary Mesenteric Seminoma 241
Sameer Bakhshi, Devinder Singh, A.K. Karak and Sanjay Thulkar

Jarcho-Levin Syndrome 245
M.L. Kulkarni, Sarfaraz Navaz R., H.N. Vani, K.S. Manjunath and Deepa Matani

LETTERS TO THE EDITOR

National Rural Health Training Mission: Training of Health Functionaries 248
Umesh Kapil

Improvement in Lasegue's Sign: An Early Predictor of Recovery in Childhood Guillain-Barre Syndrome 249
Arun K. Baranwal, Ravi N. Mandal and Rupa Singh

CONTENTS

	Page
Persistent Pulmonary Hypertension Among Neonates with Sepsis *Bela Verma, S.R. Daga and Abhijit Mahapankar* ..	250
Early Onset Neonatal Sepsis *Jayendra R. Gohil* ..	251
Authors' Reply *B. Chacko* ..	252
LIST OF REVIEWERS FOR 2005 ..	240
GUIDELINES FOR AUTHORS ..	253

April 2006; Volume 73 : Number 4

SPECIAL ARTICLE

Montelukast in Pediatric Asthma Management *Mandeep Walia, Rakesh Lodha and S.K. Kabra* ..	275

ORIGINAL ARTICLES

Transient Evoked Otoacoustic Emissions *Ravi Kapoor and Naresh K. Panda* ..	283
Urorectal Septum Malformation Sequence : Ultrasound Correlation with Fetal Examination *S.J. Patil and Shubha R. Phadke* ..	287
Grandmothers' Influence on Child Care *Minal Sharma and Shubhada Kanani* ..	295
Adolescents with Attention Deficit and Hyperactivity Disorder/Learning Disability and Their Proneness to Accidents *Uzi Brook and Mona Boaz* ..	299
Penicillin and Gentamicin Therapy *vs* Amoxicillin/Clavulanate in Severe Hypoxemic Pneumonia *Arun Bansal, Sunil C. Singhi and M. Jayashree* ..	305

SYMPOSIUM ON NEW DRUGS ANTIBIOTICS : **Guest Editors :** *Ashir Kumar and Arvind Taneja*

Editorial : Bugs, Drugs, and Us—The Dance Goes on *Ashir Kumar* ..	311
New Antiviral Agents *Nahed Abdel-Haq, Pimpanada Chearskul, Hossam Al-Tatari and Basim Asmar* ..	313
Antibiotics for Treatment of Resistant Gram-positive Coccal Infections *Hossam Al-Tatari, Nahed Abdel-Haq, Pimpanada Chearskul and Basim Asmar* ..	323
New Antiretroviral Drugs in Clinical Use *Pimpanada Chearskul, Chokechai Rongkavilit, Hossan Al-Tatari and Basim I. Asmar* ..	335
The Judicious use of Antibiotics–An Investment towards Optimized Health Care *Aditya H. Gaur and B. Keith English* ..	343

PICTURE OF THE MONTH

Harlequin Ichthyosis *Sagori Mukhopadhyay and Ramesh Agarwal* ..	351

CONTENTS

CLINICAL BRIEFS — *Page*

Yunis Varon Syndrome
M.L. Kulkarni, H.N. Vani, K. Nagendra, T.K. Mahesh, Anand Kumar, Suja Haneef, Z. Mohammed and P.M. Kulkarni .. 353

Precocious Pseudopuberty with Testicular Enlargement
R. Rajput, A. Bhansali, R. Bhat and R. Sialy .. 356

Naxos Disease
B. Adhisivam and S. Mahadevan .. 359

Bilateral Ocular Scrofuloderma with Orbital Tuberculosis
Suvasini Sharma, Monica Juneja, Ravindra Kumar Saran and Atul Mohan Kochhar .. 361

Incomplete Duodenal Obstruction in a Newborn
Selami Sozubir, Hayrunisa Kahraman, Arzu Arslan, Gulsen Ekingen and B. Haluk Guvenc .. 364

Surgical Reconstruction for Absence of Sternum and Pericardium in a Newborn
V. Kohli, S. Nooreyazdan, B.N. Das, S. Kaul, J. Singh and V. Parmar .. 367

LETTERS TO THE EDITOR

Infected Mature Teratoma of Lower Posterior Mediastinum
Y.K. Sarin, A. Sinha and M. Sengar .. 369

Intracranial Hodgkin's Disease
V. Gupta, J. Ghosh, P. Pant and B.D. Bhatia .. 370

Combating Poster Fatigue
M.M.A. Faridi, Manish Narang and Munazir Ali .. 372

RESIDENT'S FORUM

PG Thesis : Idealistic *vs* Realistic
Abbas Hyderi and Ravikiran .. 373

CURRENT LITERATURE

Risperidone Shows Long-term Effects in Children with Autism .. 286

NOTES AND NEWS .. 310, 252

May 2006; Volume 73 : Number 5

EDITORIAL

Colony Stimulating Factors as Adjunctive Therapy in Neonatal Sepsis
Geeta Gathwala and Harsh Bala .. 393

ORIGINAL ARTICLES

Estimation of Rewarming Time in Transported Extramural Hypothermic Neonates
N.B. Mathur, Sriram Krishnamurthy and T.K. Mishra .. 395

Brain Abscess in Children
Mehnaz Atiq, Umair Syed Ahmed, Salman Saleem Allana and Khalid N. Chishti .. 401

Early Intervention in Developmental Delay
Paramleen Kaur, B.S. Chavan, Sneh Lata, Amandeep Kaur, Sophia Tinku, Yashwant Arora and Vani Ratnam .. 405

CONTENTS

	Page
Early Onset Conjugated Hyperbilirubinemia in Newborn Infants *Filiz Tiker, Aylin Tarcan, Hasan Kilicdag and Berkan Gurakan* ..	409
Brainstem Evoked Response Audiometry (BAER) in Neonates with Hyperbilirubinemia *Pramod Sharma, N.P. Chhangani, Kesh Ram Meena, Rakesh Jora, Navratan Sharma and B.D. Gupta* ..	413
Influence of Infant-feeding Practices on Nutritional Status of Under-five Children *Dinesh Kumar, N.K. Goel, Poonam C. Mittal and Purnima Misra* ..	417
CLINICAL BRIEFS	
Congenital Duodenal Obstruction due to a Preduodenal Portal Vein *D. Pathak and Y.K. Sarin* ..	423
Moebius Syndrome with Total Anomalous Pulmonary Venous Connection *Jyoti Suvarna, Mahananda Bagnawar and C.T. Deshmukh* ..	427
Myotonia Congenita– A Successful Response to Carbamazepine *M.R. Savitha, B. Krishnamurthy, Abbas Hyderi, Farhan-Ul-Haque and Nallur B. Ramachandra* ..	431
Breastfeeding a Baby with Mother on Bromocripine *Sanjay Verma, Dheeraj Shah and M.M.A. Faridi* ..	435
Primitive Neuroectodermal Tumor (PNET) as Second Malignancy after Treatment of Hodgkin's Disease *A. Khadwal, G. Biswas, B. Arora, P.A. Kurkure, C. Deshmukh and V. Shetty* ..	437
Noma Neonatorum *T.B. Parikh, R.N. Nanavati and R.H. Udani* ..	439
Ventilatory Management of Severe Tracheal Stenosis *Rakesh Lodha, Lokesh Guglani, S.C. Sharma and S.K. Kabra* ..	441
Hemophagocytic Syndrome Associated with Visceral Leishmaniasis *Shilpi Agarwal, Shashi Narayan, Sunita Sharma, Eram Kahkashan and A.K. Patwari* ..	445
LETTERS TO THE EDITOR	
Achalasia Cardia Presenting with Marasmic Kwashiorkor *Vaishali More, Preeti Shanbag and Kailash Jialdasani* ..	447
Parry Romberg Syndrome *Sheffali Gulati, Vandana Jain and Garima Garg* ..	448
Lung Abscess Caused by Salmonella *B. Adhisivam, S. Mahadevan and C. Udaykumar* ..	450
Neonatal Diabetes Mellitus with Recurrent Hepatitis *N. Suresh, R. Ganesh, T. Eswararaja, T. Vasanthi, Janani Sankar and Malathi Sathiasekaran* ..	451
Foreign Body – What is Unusual *Vinod H. Ratageri, T.A. Shepur and Ramesh R. Pol* ..	452
CURRENT LITERATURE	
Use of New TB Test in Children Should be Limited ..	422
NOTES AND NEWS ..	400, 412
GUIDELINES FOR AUTHORS ..	455

CONTENTS

June 2006; Volume 73 : Number 6

Page

SPECIAL ARTICLE

Child Survival in India
Gareth Jones, Werner Schultink and Marzio Babille .. 479

ORIGINAL ARTICLES

Immunological Response to Two Hepatitis B Vaccines Administered in Two Different Schedules
K.M. Girisha, J.R. Kamat and G. Nataraj .. 489

Zinc Supplementation and Serum Zinc During Diarrhea
Abdullah H. Baqui, Robert E. Black, Christa L. Fisher Walker, Shams Arifeen, Khalequz Zaman, Mohammed Yunus, Mohammad A. Wahed and Laura E. Caulfield .. 493

Acute Renal Failure in Neonatal Sepsis
N.B. Mathur, Himanshu S. Agarwal and Arti Maria .. 499

Evaluation of Total Plasma Homocysteine in Indian Newborns Using Heel-Prick Samples
A. Radha Rama Devi, S.M. Naushad and Krishna C. Prasad .. 503

Reproductive Health Problems and Help Seeking Behavior Among Adolescents in Urban India
B.N. Joshi, S.L. Chauhan, U.M. Donde, V.H. Tryambake, N.S. Gaikwad and V. Bhadoria .. 509

Retinopathy of Prematurity Sreening by Non-Retinologists
Raj Vardhan Azad, Nonavinakere P. Manjunatha, Nikhil Pal and Ashok K. Deorari .. 515

Cytomegalovirus Infection in Neonates following Exchange Transfusion
Atul Kothari, V.G. Ramachandran and Piyush Gupta .. 519

CLINICAL BRIEFS

Superior Mesentric Artery Compression Syndrome
P.G. Samdani, Vinit Samdani and Akhil Goel .. 523

Globe Calcification in Congenital Toxoplasmosis
N.R.S Surendrababu, K.A. Kuruvilla, A.K. Jana and Rekha Cherian .. 527

Acute Osteomyelitis in Congenital Hypofibrinogenemia
Sumana Dutta and S. Bagchi .. 529

Vincristine Induced Cranial Polyneuropathy
Ali Bay, Cahide Yilmaz, Nebi Yilmaz and Ahmet Faik Oner .. 531

Pediatricians' Views about Oral Health Care
Sham S. Bhat, Sharan S. Sargod and B.S. Kiran Kumar .. 535

Proptosis in a Young Child
Ishwar Singh, Anand Ghimire, Punam Bhadani, Ajit Nepal, Milan Maharajan, Dej Gauum and Rajiv Sen .. 537

Macroscopic T Wave Alternans in Long QT Syndrome
M.P. Jayakrishnan and P. Krishnakumar .. 539

PICTURE OF THE MONTH

A Short Boy with a Limp
Ramanbir Singh, M. Sriraam, Sanjay Bhadada and A. Bhansali .. 541

LETTERS TO THE EDITOR

Vibrio Cholerae 01 Ogawa (Eltor) Diarrhoea at Sevagram
Prerna Batra, Abhijeet Saha, K.Y. Vilhekar, P. Chaturvedi and D.K. Mendiratta .. 543

CONTENTS

Page

Oil That Spoils the Child .. 544
B. Adhisivam and S. Mahadevan

Kawasaki Disease is not Rare in India .. 544
P. Krishnakumar and Lulu Mathews

Kawasaki Disease Registries Reap Results Experience in Mumbai .. 545
Raju P. Khubchandani and Chetna Khemani

AUTHOR'S REPLY

Kawasaki Disease : Are We Missing the Diagnosis? .. 546
S.K. Kabra and Rakesh Lodha

July 2006; Volume 73 : Number 7

ORIGINAL ARTICLES

Serodiagnosis of Acute Respiratory Infections in Children in Georgia .. 569
I. Chkhaidze N. Manjavidze and K. Nemsadze

Early Neonatal Streptococcal Infection .. 573
Krishnamoorthy Niduvaje, Chinnadurai Amutha and Joseph Roy

Outcome of Scorpion Sting Envenomation After A Protocol Guided Therapy .. 577
N. Biswal, Rani A. Bashir, Uday C. Murmu, Betsy Mathai, J. Balachander and S. Srinivasan

Pedimune in Recurrent Respiratory Infection and Diarrhoea – The Indian Experience – The PRIDE Study .. 585
Kamlesh Patel and Rajiv Rana

Metabolic Syndrome and Leptin Concentrations in Obese Children .. 593
Anahita Hamidi, Hossein Fakhrzadeh, Alireza Moayyeri, Ramin Heshmat, Pantea Ebrahimpour and Bagher Larijani

Sleep Apnea .. 597
Sameer Kumar V. Nanaware, D. Gothi and J.M. Joshi

Neurotic Manifestations in Adolescents with Thalassemia Major .. 603
J.D. Moorjani and Chithira Issac

Hemihyperplasia Syndromes .. 609
Ashwin B. Dalal, Shubha R. Phadke, Mandakini Pradhan and Sheetal Sharda

CLINICAL BRIEFS

Unusual Presentation of a Retroperitoneal Lymphangioma .. 617
D. Vimala Rani, R. Srilakshmi, S. Malathi, V. Raghupathy and R.K. Bagdi

Unusual Lymphoblastic Leukemia/Lymphoma in Eastern Iran .. 619
M. Karimi and P. Eshghi

Jervell-Lange Nielsen Syndrome in a Family with the Long QT Syndrome (LQTS) .. 623
R.K. Mondal, B. Karmakar, P.K. Chandra and U.N. Sarkar

Immune Reconstitution Syndrome in a Child With TB and HIV .. 627
G. Narendran, Soumya Swaminathan, S. Sathish and S. Rajasekaran

CONTENTS

Page

Nager Acrofacial Dysostosis: An Unusual Association with Both Upper and Lower Eyelid Colobomas .. 631
Rajoo Thapa, Shanto Pramanik, Maya Mukhopadhyay and Apurba Ghosh

LETTERS TO THE EDITOR

Vanished Smile, Stray Dogs, Thalassemia and Preterm Transport: My Experience of Gujarat Earthquake 2001 .. 633
Jayendra R. Gohil

Jatropha Curcas Poisoning .. 634
R.G. Menezes, Nageshkumar G. Rao, Suman S. Karanth, Asha Kamath, Shahnavaz Manipady and V.V. Pillay

AUTHOR'S REPLY .. 635

NOTES AND NEWS .. 583, 636

GUIDELINES TO AUTHORS .. 637

August 2006; Volume 73 : Number 8

SPECIAL ARTICLE

Ventilatory Strategies and Adjunctive Therapy in ARDS .. 661
A.R. Desai and Akash Deep

ORIGINAL ARTICLES

Maternal Antenatal Profile and Immediate Neonatal Outcome in VLBW and ELBW Babies .. 669
K.K. Roy, Jinee Baruah, Sunesh Kumar, Neena Malhotra, A.K. Deorari and J.B. Sharma

Detection of Antigen and Antibody in Childhood Tuberculous Meningitis .. 675
S. Bera, Niraj Shende, S. Kumar and B.C. Harinath

Ultrasound in the Diagnosis of Typhoid Fever .. 681
M.A Mateen, Sheena Saleem, P. Chandrasekhar Rao, P. Sudhershan Reddy and D.N. Reddy

Effect of Counseling on Nutritional Status During Pregnancy .. 687
Aashima Garg and Sushma Kashyap

SYMPOSIUM : GASTROENTEROLOGY AND HEPATOLOGY –I

Guest Editors : *N.K. Arora, Anil Dhawan and Prashant Mathur*

Current Status of Ant-Diarrheal and Anti-Secretory Drugs in the Management of Acute Childhood Diarrhea .. 693
Seema Alam and Shrish Bhatnagar

Constipation in Children .. 697
Joseph M. Croffie

Diagnosis of Celiac Disease .. 703
Shinjini Bhatnagar and Nitya Tandon

CONTENTS

	Page
Unusual Manifestations of Celiac Disease *K. Mustalahti*	711
Epidemiology of Inflammatory Bowel Diseases in Childhood *M. Ravikumara and B.K. Sandhu*	717
Crohn's Disease *Malathi Sathiyasekaran and So. Shivbalan*	723
CLINICAL BRIEFS	
Hydrocephalus with Cleft Lip and Palate : An Overlap Between Midline Malformation Syndromes *Murat Cakir, Ilke Mungan, Melike Makuloglu and Aysenur Okten*	731
Neoadjuvant Chemotherapy Before Surgery of Hepatoblastoma *K.V. Udupa, S.M. Navadgi, P. Mullerpatan, D. Chhabra, R.C. Shah and P. Jagannath*	735
Juvenile Idiopathic Arthritis with Peripheral Gangrene *J.B. Ghosh, Dipankar Gupta and Nibedita Chattopadhyay*	739
LETTERS TO THE EDITOR	
Knowledge Regarding Human Sexuality Among Adolescent Girls *Manju Dhoundiyal and Renuka Venkatesh*	743
The Judicious Use of Antibiotics *Yash Paul*	744
AUTHOR'S REPLY : Gaur and English	744
NOTES AND NEWS	680, 686, 722, 730, 738
BOOK REVIEW	738

September 2006; Volume 73 : Number 9

SPECIAL ARTICLE	
Infant And Child Feeding Index *N. Srivastava and A. Sandhu*	767
ORIGINAL ARTICLES	
Which Clinical Signs and Symptoms Predict Hypoxemia in Acute Childhood Asthma? *M.S. Rahnama'i, R.P. Geilen, S. Singhi, M. van den Akker, N.H. Chavannes*	771
Hypoxemia in Children with Pneumonia and Its Clinical Predictors *S. Basnet, R.K. Adhikari and C.K. Gurung*	777
Suicidal Behaviors in Adolescents *Tanuj Sidhartha and Shivananda Jena*	783
Educational Provisons and Learning Disability *M. Kulkarni, S. Karande, Anjana Thadhani, H. Maru and R. Sholapurwala*	789

CONTENTS

Page

Iodine Nutritional Status of Children in North East India
A.K. Chandra, L.H. Singh, S. Tripathy, A. Debnath and Jasmina Khanam .. 795

Tracking Progress Towards Sustainable Elimination of Iodine Deficiency Disorders in Bihar
R. Sankar, D. Moorthy, C.S. Pandav, J. Sangita Tiwari and M.G. Karmarkar .. 799

SYMPOSIUM : GASTROENTEROLOGY AND HEPATOLOGY –I I

Guest Editors : *N.K. Arora, Anil Dhawan and Prashant Mathur*

Hepatitis B Virus Mutation in Children
Mei-Hwei Chang .. 803

Liver Involvement in Celiac Disease
Giuseppe Maggiore and Silvia Caprai .. 809

Liver Abscess in Children
M.P. Sharma and Arvind Kumar .. 813

Ascites in Childhood Liver Disease
S.K. Yachha and V. Khanna .. 819

Biliary Atresia : Outcome and Management
Mark Davenport .. 825

CLINICAL BRIEFS

SCIWORA-Spinal Cord Injury Without Radiological Abnormality
Veena Kalra, Sheffali Gulati, Mahesh Kamate and Ajay Garg .. 829

Congenital Cystic Adenomatoid Malformation Associated with Ipsilateral Eventration of the Diaphragm
R. Chadha, D. Singh, P. Kathuria, S. Sharma, S.R. Choudhury and Manjula Jain .. 832

Acute Cysticercal Meningitis – Missed Diagnosis
D. Mishra, Suvasini Sharma, S. Gupta, M. Das and D. Chauhan .. 835

Callosal Agenesis and Open Lip Schizencephaly
Maya Prasad, Mary Iype and P.M.C. Nair .. 838

Unbalanced X; Autosome Translocation
Neerja Gupta, H. Goel and S.R. Phadke .. 840

LETTERS TO THE EDITOR

Acquired Hypothyroidism in an Adolescent Boy Following Thyroid Surgery
K. Naushad, Prasanth, Ravishankar and P. Krishnakumar .. 843

Valproate Induced Isolated Neutropenia
Utkarsh Kohli and Sheffali Gulati .. 844

NOTES AND NEWS .. 794

GUIDELINES TO AUTHORS .. 845

CONTENTS

October 2006; Volume 73 : Number 10

Page

ORIGINAL ARTICLES

Fulminant Hepatic Failure and Paracetamol Overuse with Therapeutic Intent in Febrile Children
S. Sri Ranganathan, M.G. Sathiadas, S. Sumanasena, M. Fernandopulle, S.P. Lamabadusuriya and B.M.R. Fernandopulle .. 871

Psychosocial Burden in Thalassemia
Atika Khurana, Sudha Katyal and R.K. Marwaha .. 877

Hemoglobin Level as a Risk Factor for Lower Respiratory Tract Infections
K. Ramakrishnan and P.S. Harish .. 881

Chromosome 22 Microdeletion by F.I.S.H. in Isolated Congenital Heart Disease
H. Gawde, Z.M. Patel, M.I. Khatkhatey, A. D'Souza, S. Babu, R. Adhia and P. Kerkar .. 885

Clinical Features, Complications and Atypical Manifestations of Children with Severe forms of Dengue Hemorrhagic Fever In South India
Shrishu R. Kamath and Suchitra Ranjit .. 889

Length of Postnatal Stay in Healthy Newborns and Re-hospitalization Following their Early Discharge
Piyush Gupta, Saurabh Malhotra, Dharmendra K. Singh and Tarun Dua .. 897

Lifestyle Associated Risk Factors in Adolescents
Akhil Kant Singh, Ankit Maheshwari, Nidhi Sharma and K. Anand .. 901

SYMPOSIUM : GASTROENTEROLOGY AND HEPATOLOGY –II I

Guest Editors : *N.K. Arora, Anil Dhawan and Prashant Mathur*

Chronic Pancreatitis
Keith J. Lindley .. 907

Management of Intestinal Failure
K. Soondrum and R. Hinds .. 913

Allergic Eosinophilic Esophagitis
Kevin C. Bax and Sandeep K. Gupta .. 919

Motility Disorders of the Gastrointestinal Tract
Narayanan Venkatasubramani and Manu R. Sood .. 927

Acute Liver Failure
Sanjay Bansal and Anil Dhawan .. 931

CLINICAL BRIEFS

Congenital Bilateral Microphthalmos After Gestational Syphilis
Rosa M. Navas, Reinaldo Parra, Maivelys Pacheco, Jimena Gomez, Iris Bermudez and Alfonso J. Rodriguez-Morales .. 935

Fetal Valproate Syndrome
M.L. Kulkarni, M. Zaheeruddin, Nivedita Shenoy and H.N. Vani .. 937

Unusual Complications of Empyema Thoracis : Diaphragmatic Palsy and Horner's Syndrome
G. Bhaskar, Rakesh Lodha and S.K. Kabra .. 941

CONTENTS

	Page
Spinal Intramedullary Neuroepithelial (Ependymal) Cyst. A Rare Cause of Treatable Acute Para paresis *A.V. Lalitha, Pritilata Rout, Fulton D. Souza, Shailesh and Subba Rao* ..	945
LETTERS TO THE EDITOR	
Primary Renal Lymphoma in a Child *Shyam B. Sharma, Pinaki R. Debnath and Rakesh Tripathi* ..	947
Skin Necrosis Due to Cetrimide Application in a Neonate *Geeta Gathwala, Nitika Agarwal and Kunal Das* ..	948
Severe Aortic Thrombosis in a Newborn Diagnosed at Birth *Jitendra K. Sahu, Anita Saxena and K. Talesra* ..	949
NOTES AND NEWS	876, 926, 940

November 2006; Volume 73 : Number 11

ORIGINAL ARTICLES

Comparative Study of Intranasal Midazolam and Intravenous Diazepam Sedation for Procedures and Seizures — 975
Pankaj Mittal, Ram Manohar and A.K. Rawat ..

Randomized Controlled Trial of Ipratropium Bromide and Salbutamol Versus Salbutamol Alone in Children with Acute Exacerbation of Asthma — 979
Amitabha Chakraborti, Rakesh Lodha, R.M. Pandey and S.K. Kabra ..

Red Cell Pyruvate Kinase Deficiency in Neonatal Jaundice Cases in India — 985
Prabhakar S. Kedar, Prashant Warang, Roshan B. Colah and Dipika Mohanty ..

Mantoux and Contact Positivity in Tuberculosis — 989
D. Vijayasekaran, R. Arvind Kumar, N.C. Gowrishankar, K. Nedunchelian and S. Sethuraman ..

Maternal Deprivation, Acute Respiratory Infections and Immune Regulation — 995
K. Gogberashvili ..

Occult Neurovesical Dysfunction with Anorectal Malformations — 999
Arun Kumar, S. Agarwala and D.K. Mitra ..

SYMPOSIUM : Evidence and Experience in Neonatal Medicine-1

Guest Editor : Rajeev Mehta

Editorial : Rajeev Mehta and Anna Petrova .. 1005

Developmentally Supportive Care and NIDCAP — 1007
Arvind Sehgal and Jacqueline Stack ..

Addressing the "New" NEC : Rediscovering the Basics — 1011
Aryeh Simmonds and Edmund F. LaGamma ..

Toward Improving Mucosal Barrier Defenses : rhG-CSF plus IgG Antibody — 1019
Aryeh Simmonds and Edmund F. LaGamma ..

CONTENTS

	Page
Prevention of Bronchopulmonary Dysplasia: Finally, Something that Works *Virender K. Rehan*	1027
CLINICAL BRIEFS	
Acute Myeloid Leukemia with Severe Aplastic Anemia Following Immunosuppressive Therapy *Sameer Bakhshi, Ajay Gupta and Lalit Kumar*	1033
Imaging Findings in Hepatic Langerhans' Cell Histiocytosis *Alka Chaudhary, Jyotindu Debnath, Sanjay Thulkar, Tulika Seth and Anindita Sinha*	1036
Rare Serotype Non-typhoidal Salmonella Sepsis *V.S. Randhawa, Geeta Mehta, Anupam Das, Anchan Chugh* and *S. Aneja*	1039
Twins with Senior-Loken Syndrome *S. Giridhar, R. Padmaraj and Prabha Senguttuvan*	1041
LETTERS TO THE EDITOR	
Pediatric Trauma - Social Awareness and Rehabilitation Measures *Akshat Pandey*	1044
Effectiveness of Individualized Education Program for Slow Learners *Girish Singh*	1045
NOTES AND NEWS	984, 994, 1004, 1046
GUIDELINES TO AUTHORS	1047

The Indian Journal of Pediatrics
Vol 73 : No 1-12
SUBJECTS INDEX

A

Angiography, 49
  cardiac, 49
Anemia, 109, 1033
megaloblastic, 109
  immune hemolytic, 169
  aplastic, 1033
Arrhythmias, 131
  neonatal, 131
Adolescents, 139, 299, 603, 743, 843, 901, 1099
  nutritional, 139
  status, 139
  attention deficit, 299
  hyperactivity disorder, 299
  learning disability, 299
  help seeking behavior, 509
  thalassemia major, 603
  neurotic manifestation, 603
  risk factors, 901
  attitude, 1099
  knowledge, 1099
Asphyxia, 209
  birth,209,
Asthma,209
  management, 275
  acute exacerbation, 979
Anomalies, 1122
Accidents, 299
  proneness, 299
Antiviral, 313
  agents, 313
Abscess, 401
  brain, 401
Achalasia Cardia, 447
Apnea, 597
  sleep, 597
ARDS, 661
Antigen and Antibody, 675
  detection, 675
  tuberculosis meningitis, 675
Arthritis, 739
  idiopathic, 739
  juvenile, 739
Atresia, 825
  biliary, 825
  outcome, 825
  management, 825
Apneas, 1085
  risk factors, 1085
Asthmatic, 1089
  prepubertal, 1089
  growth, 1089

B

Bacteria, 29
  maternal genital, 29
Bottles, 104
  feeding, 104
Butorphanol, 147
  caudal, 147
  efficacy, 147
Birth, 209
  asphyxia, 209
Breastfeeding, 435
Body, 452
  foreign, 452
Behavior, 783
  suicidal, 783
  adults, 783

C

Central Nervous System, 109
  manifestation, 109
  megaloblastic anemia, 109
Clinical, 201, 335
  profile, 201
  HIV infection, 201
  antiretroviral drugs, 335
Coherence, 213
  feeling, 213
  personality predictors, 213
Care, 295, 343
  developmentally supportive, 1007
Child, 295
  grandmother's influence, 295
  health, 343
  oral, 535
Congenital, 527, 832, 885, 935, 1095, 1122
  taxoplasmosis, 527
  hypofibrinogenemia, 529
  osteomyelitis, 529
  heart diseases, 885
  microphthalmos, 935
  CMV infection, 1095
  Intrahepatic portosystematic shunt,
Counselling, 687
  nutritional Status, 687
  pregnancy, 687
Constipation, 697
Chemotherapy, 735
  neoadjuvant, 735
Cyst, 945
  ependymal, 945
  neuroepithelial, 945

D

Dehydration, 39
  breast-fed term, 39
  healthy neonates, 39
Diarrhea, 61, 585, 693, 1081
  assocition, 61
  complementary foods, 61
  zinc supplementation, 493
  management, 693
  drugs, 693
  anti-secretory, 693
  anti-diarrheal, 693
  parasitic, 1081
Disorder, 65, 299, 799, 927
  growth, 65
  insulin like growth factors, 67
  salt wasting, 95
  newborn, 95
  hyperactivity, 299, 544
  motility, 927
Disease, 99, 544
  Hodgkins, 437
  Wilson, 99
  Crohn's, 299, 723
    palahal ulcer, 229
  Carolis, 233
  Naxos, 359
  Intracranial Hodgkins, 370
Dysplasia, 101, 1027, 1105
  ectodermal, 101
  bronchopulmonary, 1027
  craniometephyseal, 1105
  facial disfigurement, 1105
  deafness, 1105

Deficiency, 157, 799, 985
pyruvate kinase, 985
inherited protein S, 157
iodine, 799
Diagnosis, 163
tyrosinemia type I, 163
typhoid fever, 681
ultrasound, 681
prenatal, 163
celiac, 703, 711
Drugs, 335
antiretroviral, 335
Duodenal, 364, 423
obstruction, 364, 423
incomplete, 364
congenital, 423
Developmentally, 405
delay, 405
early intrvention, 405
Diabetes Mellitus, 451
recurrent hepatitis, 451
Disease, 99, 544
Kawasaki, 544, 545, 546
Inflammatory bowel, 717
Crohn's, 723
Dengue, 889
hemorrhagic fever, 889
Dystrophy, 1115
facial dysmorphism, 1115
asphyxiating thoracic, 1115

E

Epilepsy,105
quality of life, 105
myoclonic absences,151
syndrome, 157
Embryologic, 227
preputial sinus, 227
urethral duplication, 227
Emissions, 283
otoacoustic, 283
Envenomation, 577
scorpion sting, 77
Esophagitis, 919
Earthquake, 633
Gujarat, 633
experience, 633
Empyema Thoracis, 941
complications, 941
Epileptic, 1073
Topiramate, 1073
antiepileptic drug, 1073
Encephalomyelitis, 1119
disseminated, 1119

F

Fever, 103
enteric, 103
Feeding, 104
bottles, 104
Fatigue, 372
poster, 372
Febrile, 871
FISH, 885

G

Growth, 81
precocious puberty, 81
congenital adrenal
hyperplasia, 89
Gastrointestinal, 927
tract, 927
Gastational, 935

H

Hypernatremia, 39
breedfed term, 39
healthy neonates, 39
Hyperplasia, 89
congenital adrenal, 89
Hemiconvulsion, 157
Hemiplegia, 157
Health, 193
rural, 193
health functionaries, 248
HIV, 205
immune reconstitution
syndrome, 627
Hypertension, 250
persistent pulmonary
neonates, 250
Hyperbilirubinemia, 409, 413
conjugated, 409
BAER, 413
Homocysteine, 503
total plasma, 503
evaluation, 503
Hydrocephalus, 731
cleft lip, 731
cleft palate, 731
Hepatoblastoma, 735
surgery, 735
Hypoxemia, 771, 777
asthma, 771
pneumonia, 777
Hypothyroidism, 843
acquired, 843
Hepatic, 871,1036
failure, 871
Langerhan's cell, 1036
histiocytosis, 1036
imaging, 1036
Hyperekplexia, 1109
siblings, 1110
Hypernatremia, 1124

I

Illness, 33
childhood, 33
management, 33
integrated, 33
Infectious, 197,323
neonatal, 197
HIV, 201
coccal, 323
Intussusception, 217
management, 217
Ichthyosis, 351
Harlequin, 351
Immunological, 489
response, 489
Hepatitis B vaccines, 489
Infection, 519, 995
cytomegalovirus, 519
serodiagnosis, 569
streptococcal, 573
recurrent respiratory, 585
acute respiratory, 995
Index, 767
feeding, 767
Ipsilateral, 832
eventration, 832
draphragm, 832
Intrahepatic, 122
shunts, 122
Intestinal, 913
failure, 913
management, 913
Immunosuppressive, 1033
therapy, 1033
Infection, 1095
congenital, 1095
CMV, 1095

J

Juvenile, 225,739
sclerosis, 225

K

Kirschner wire, 1107
migration, 1107
hip, 1107
liver, 1107

L

Limp, 541
short boy, 541
Lymphangioma, 617
retrperitoneal, 617
Lymphone, 619, 947
renal, 947
Learning, 789
disability, 789
Liver, 809, 813, 819, 931
ciliac disease, 809
abscess, 813
ascites, 819
failure, 931
Leukemia, 1033
myeloid, 1033
Learners, 1045
slow, 1045
individualized education, 1045

M

Morbidity, 25
neonatal, 25
Motherhood, 43
safe, 43
Malformation, 287, 832, 999
anorectal, 999
urorectal septum, 287
cystic adenomatoid, 832
Myotonia congenuta, 431
Microdeletion, 885
chromosome-22, 885
Maternal, 995
deprivation, 995
Maliganacy, 437
PNET, 437
Marasmic kwashiorkor, 447
Meningitis, 675, 835
Tuberculous, 675
antigen & antibody, 675
acute cysticercal, 835
Mutation, 803
Hepatitis B virus, 803

N

Neonates, 39, 250, 395, 519, 948
hypotheomic, 395
dehydration, 39
rewarming, 395
hypernatremia, 39
jaundiced term, 170
clofibrate, 170
Newborn, 95, 364, 367, 409, 503, 897, 949
Neonatal, 131, 451, 573, 985
arrhythmias, 131
nosocomical infections, 197
Nutritional, 139,417,687,795
status, 139,417,687.795
adolescents, 139
iodine, 795
Nosocomial, 197
infections, 197
Noma Neonatorum, 439
Nager Acrofacial Dysostosis, 631
upper and lower eyelid colobomas, 631
Neutropenia, 844
Necrosis, 948
skin, 948
Neuroverical, 999
occult, 999
dysfunction, 999
NIDCAP, 1007
NEC, 1011, 1019
new, 1011
mucosal barrier defences, 1019

O

Osteodystrophy, 153
Albright's hereditary, 153
Obese, 593
children, 593
laptin concentrations, 593
metabolic syndrome, 593

P

Pathology, 25
placental, 25
Pneumonia, 33, 305, 777
severe, 33, 305
hypoxemic, 305, 777
Puberty, 81
precocious, 81, 356
pseudopuberty, 356
Pseudohypopara thyroidism, 97
neonatal, 97
Psychosocial, 213, 877
impact girl with acne, 213
thalassemia, 877
Pericardium, 367
absence, 367
surgical reconstruction, 367
Practices, 417
infant feeding, 417
Preduodenal, 423
portal vein, 423
Polyneuropathy, 531
cranial, 531
Proptosis, 537
Poisoning, 634
Jatropha curcas, 634
Paracetamol, 871
overuse, 871
Postnatal, 871
stay, 897
newborns, 897
Pancreatitis, 907
chronic, 907
Palsy, 941
diaphragmatic, 941
Para Paresis, 945
acute, 945
treetable, 945
Pyruvate kinase, 985
deficiency, 985
Positivity, 989
mantoux, 989
contact, 989
Panencephalititis, 1119
sclerosing, 1119
Pulmonary Endarteritis, 1130

R

Renal, 49
function, 49

failure, 499
Respiratory, 99,995
failure, 99
infections, 569
Reproductive, 509
health problems, 509
Retinopathy, 515
prematurity, 515
Radiological, 829
abnormality, 829
Rehospitalization, 897
early discharge, 897
Regulation, 995
immune, 995
Rhabdomyolysis, 1124

S

Sepsis, 29, 250, 251, 393, 499, 1039
neonatal, 29,251,393,499
surface colonization, 29
salmonella, 1039
serohype non- typhoidal, 1039
Survival, 43, 479
child, 43, 479
Stature, 79
short, 79
psychosocial effects, 79
Sarcoidosis, 143
Sclerosis, 225
juvenile, 225
amyotrophic, 225
Seminoma, 241
childhood, 241
primary mesenteric, 241
Scrofuloderma, 361
ocular, 361
Sternum, 367
surgical reconstruction, 367
absence, 367
Stenosis, 441
tracheal, 441
ventilatory management, 441
Salmonelle, 450
lung abscess, 450
Sign, 249
Lasegne's, 249
Syndrome, 55, 237, 353, 537, 1099
Hyperosinophilic, 237
Jarco-Levin, 245
Guillain-Barre, 249
Yunis Varon, 353
Moebius, 427
Hemophagocytic, 445
Parry Romberg, 448
SMA, 523
Long QT, 539, 623
macroscopic T wave alternans, 539
Metabolic, 593
Hemihyparplasia, 609
Jervell-Large Nielser, 623
Immune Reconstitution, 627
TB, 627
HIV, 627
Acute respiratory distress, 661
Ventilatory strategies, 661
Adjunctive therapy, 661
Midline malformation, 731
Fetal Valproate, 937
Horners, 941
Senior-Loken, 1041
Hyperglycemic hyperosmolar nonketotic, 55
Hay-wells, 101
Epilepsy, 157
Richner Hannart, 161
Tourettes, 1099
Mitocondrail neuro-gestrointestinal, 1112
Serodiagnosis, 569
respiratory infection, 569
Sexuality, 743
knowledge, 743
adolescent, 743
SCIWORA, 829
Schizencephaly, 838
callosal agencies, 838
open lip, 838
Surgery, 843
thyroid, 843
Syphilis, 935
gastational, 935
Sedation, 975
diazepam, 975
midazolam, 975
Seizures, 975

T

Therapy, 205, 393, 577,1033
immunosuppressive, 1033
penicillin, 305
gentamicin, 305
adjunctive, 393
colony-stimulating factors, 393
protcoal guided, 577
adjunctive, 661
ARDS, 661
small for gestation, 73
growth hormone, 73
multidrug, 103
single, 103
magnesium, 209
Tumor, 437
PNET, 437
Transfusion, 519
exchange, 519
Taxoplasmosis, 527
congential, 527
calcification, 527
Thalassemia major, 603, 877
adolescents, 603
psychosocial burden, 877
Tanslocation, 840
autosome, 840
unbalanced, 840
Thrombosis, 949
aortic, 949
Twins, 1041,
Trauma, 1044
social awareness, 1044
rehabilitation, 1044
Tyrosinemia Type 1, 163
diagnostic issues, 163
prenatal diagnosis, 163
Tuberculosis, 169, 361, 989
orbital, 361
immune reconstitution syndrome, 627
Teratomas, 221, 369
retroperitoneal, 221
infected mature,369
Treatment, 323
antibiotic, 323, 343
judicious use, 343
Testicular, 356
enlargement, 356
Thrombosis, 1127
aortic, 1127
idiopathic, 1127
encephalopathy, 1112

U

Ultrasound, 217, 287, 1122
guided hydrostatic reduction, 217
management of

interssusception, 217
correlation, 287
fetal examination, 287
Urethral, 227
duplication, 227
Ulcer, 229
palatal, 229
Crohn's disease, 229

V

Visceral Leishmaniasis, 445, 1077
Miltefosine, 1077
Amphotericin, 1077
Vincristine, 531
induced, 531
cranial, 531
polyneuropathy, 531
VLBW & ELBW, 669
maternal antenatal profile, 669
immediate neonatal outcome, 669

The Indian Journal of Pediatrics
Vol 73 : No 1-12

AUTHORS' INDEX

Abdu M.O. 1089
Adel-Haq Nahed, 313,323
Adhia R, 885
Adhikari RK, 777
Adhisivam B, 359, 450, 543
Agarwal Himanshu S, 499
Agarwal Nikita, 948
Agarwal Ramesh, 351
Agarwal S, 999
Agarwal Shilpi, 445
Aggarwal Anju, 225
Aggarwal Ramesh, 1095
Ahmed Umair Syed, 401
Akin Yasemin, 1119
Akker M. Vanden, 771
Alam Seema, 693
Al-Tatari Hossam, 313, 323, 335
Ali Munazir, 372
Allana Salman Saleem, 401
Altunbasak Sakir, 1124
Aly SM, 1089
Amutha Chinnadurai, 573
Anand K, 901
Aneja S, 1039
Angiti RR, 170
Anjay MA, 1105
Anoop P, 1105
Arifeen Shams, 493
Arora B, 437
Arora Yashwant, 405
Arslan Arzu, 364
Arya Dayal Archana, 73
Asmar Basim, 313,323,335
Atiq Mehnaz, 401
Aydinoz Secil, 167
Azad Raj Vardhan, 515
Babu S, 885
Babille Marzio, 479
Bagchi S, 529
Bagdi RK, 617
Bagnawar Mahananda, 427
Bajpai Anurag, 67
Bakshi Sameer, 241,1033
Bala Chander J, 577
Bala Hargh, 393
Balasubramanian S, 103
Banerjee Sharmila, 153
Bansal A, 169
Bansal Arun, 305
Bansal Sanjay, 931
Baqui Abdullah H, 493
Barawal Arun K, 249
Baruah Jinee, 669
Bashir Rani A, 577
Basnet S, 777
Basu Srikanta, 131
Batra Prerna, 543
Bax Kevin C, 919
Bay Ali, 531
Bera S, 675
Bermudez Iris, 935
Bhadada Sanjay, 541
Bhadani Punam, 537
Bhadoria V, 509
Bhansali A, 356, 541
Bharadwaj VK, 233
Bharambe MS, 139
Bharti Bhavneet, 33
Bharti Saheel, 33
Bhaskar G, 941
Bhat R, 356
Bhat Rekha Swarna, 39
Bhat Sham S, 535
Bhat Vishnu B, 29
Bhatia BD, 370, 169
Bhatnagar Shinjini, 697
Bhatnagar Shrish, 693
Bijarnia Sunita, 163
Biswal N, 577
Biswas G, 437
Black Robert E, 493
Boaz Mona, 299
Brook Uzi, 299
Brook V, 213
Brown Justin J, 81,89
Cagnalan Fatma, 227
Cakir Murat, 731
Cakmak Murat, 227
Caprai Silvia, 809
Caulfield Laura E, 493
Chacko B, 252
Chadha R, 832
Chakraborti Amitabha, 979
Chakraborty D., 157
Chandra AK, 795
Chandra PK, 623
Chang Mei-Hwei, 803
Chansoria Maya, 233
Chaturvedi P, 543
Chattopadhyay, 739
Chaudhary Alka, 1036
Chaudhury Amit, 221
Chaudhury SR, 832
Chauhan D, 835
Chavan BS, 405
Chavannes NH, 771
Chawhan SL, 509
Chawla Uma, 43
Chearkul Pimpanada, 313,323,335
Cherian Rekha, 527
Chetan G, 99
Chhabra D, 735
Chhangani NP, 413
Chishti Khalid N, 401
Chugh Anchan, 1039
Colah Roshan B, 985
Comert Serdar, 1119
Croffie Joseph M, 697
Daga SR, 250
Dalal Ashwin B, 609
Das Anupam, 1039
Das BN, 369
Das Kunal, 948
Das M, 835
Das S, 157
David Angela, 39
Debnath A, 795
Debnath Jyotindu, 1036
Debnath Pinaki R, 947
Deendayalan M, 161
Deep Akash, 761
Demirci Sabriye, 143
Deniz Neslihan Cicek, 1119
Deorari Ashok K, 515, 699
Deshmukh PR, 139
Deshmukh Shilpa, 101
Desai AR, 761
Devenport Mark, 825
Devi A-Radha Rama, 503
Dhawan Anil, 931
Dhoundiyal Manju, 743
Donde UM, 509
Dowgre AR, 139
D'Souza A, 885
D'Souza Fulton, 945
Dua Taran, 897
Dutta Sumana, 529
Dwivedi Reeta, 61
Ebrahim Pour Pantea, 593
Ekinger Gulsen, 364
English, 744
English B. Keith, 343
Eshghi P, 619
Eswararaja T, 451
Ezhilarari S, 229
Fakhrzadeh Hosseim, 593
Fallah R. 1073
Faridi MMA, 372, 435
Fernandopulle BMR, 871
Fernandopulle M, 871
Fidelis Njokanma, 1081
Gaikwad NS, 509

Authors' Index

Gandhoke Inderjeet, 1095
Ganesh R, 161, 229, 451
Garg Ajay, 829
Garg Ashima,689
Garg B.S.,139
Garg Garima,448
Garg Pankaj,108
Garry George F.,163
Gathwala Geeta,209,393,947
Gaur, 744
Gaur Aditya H, 343
Gauum Dej, 537
Gawde H, 885
Gaytri K, 101
Geeta MG, 135
Geilen RP, 771
George Regi AN, 1105
Ghosh Apurba, 631
Ghosh J, 370
Ghosh JB, 739
Ghimire Anand, 537
Girish KM, 489
Giridhar S, 1041
Goel Akhil, 523
Goel H, 840
Goel NK, 417
Gogberashvili K, 995
Gogia Siddhartha, 153
Gohil Jayendra R, 251, 633
Gomez Jimena, 935
Gothi D, 597
Gowrishankar NC, 989
Guglani Lokesh, 441
Gulati Sheffali, 448, 829, 844
Gupta Ajay, 1033
Gupta Aradhana, 233
Gupta Ashish K, 233
Gupta BD, 413
Gupta Dipankar, 739
Gupta Kamini, 1122
Gupta MG, 139
Gupta Neerja, 840
Gupta Neeru, 43
Gupta Nitin, 105
Gupta Piyush, 519, 897
Gupta RS, 43
Gupta S, 835
Gupta Sandeep K, 919
Gupta V, 169, 370
Gurakan Berkan, 409
Gurung CK, 777
Gursu Hazim Alper, 1119
Guvenc Haluk B, 364
Habeebullah S, 29
Hamaoka Kenji, 49
Hameed Shahul, 217
Hamidi Anahita, 593
Haneef Suja, 353
Harinath BC, 675
Harish BN, 29
Harish PS, 881
Herguner M. Ozlem, 1124
Hernandez Guadalupe, 1085
Heshmat Ramin, 593
Hinds R, 913
Hota Prasanna, 193
Hyderi Abbas, 373, 431
Incecik Faruk, 1124
Ismail NF, 1089
Issac Chithira, 603
Itai Toshiyuki, 49
Iype Mary, 838
Jaganath P, 735
Jain Naveen, 95
Jain Manjula, 832
Jain SK, 43
Jain Vandana, 448
Jana AK, 527
Janakiraman Lalitha, 161
Janani S, 237
Jaya Krishnan MP, 539
Jayashree M, 305
Jayswal BP, 1077
Jena Shivananda, 783
Jenkinson Linda, 163
Jioldasani Kailash, 447
John Okeniyi, 1081
Jora Rakesh, 413
Jones Gareth, 479
Joshi BN, 509
Joshi JM, 597
Juneja Monica, 361
Kabra SK, 169, 201, 275, 441, 546, 941, 979
Kafash DN, 1089
Kah Kashan Eram, 445
Kah Raman Hayrunisa, 364
Kakade GM, 109
Kalra Veena, 829
Kamat JR, 489
Kamate Mahesh, 829
Kamath Asha, 634
Kamath Shrishu R, 889
Kanani Shubhada, 295
Kanauji Ashish, 147
Kannan B, 1109
Kapil Umesh, 248
Kapoor Aprajita, 1122
Kapoor Atul, 1122
Kapoor Ravi, 283
Kapoor Seema, 153
Kapoor Vishal, 201
Karande S, 789
Karak AK, 241
Karimi AK, 241
Kamarkar MG, 799
Karnath Suman S, 634
Karayel Tunces, 143
Kashyape PS, 109
Kasyape SS, 109
Kasyape Sushma, 687
Kathuria P, 832
Katyal Sudha, 877
Kaul S, 367
Kaur Amandeep, 405
Kaur Paramleen, 405
Kaur S, 139
Kedar Prabhakar S, 985
Kelnar CJH, 1089
Kerkar P, 885
Kerur Basavaraj M, 29
Khadilkar Anuradha, 107
Khadilkar Vaman, 107
Khadse Sandhya S, 151
Khadwal A, 437
Khanam Jasmina, 795
Khanna Sushma S, 151
Khanna V, 819
Khare Shashi, 1095
Khat Khatey MI, 885
Khemai Chetna, 545
Khera Atul, 209
Khubchandani Raju P, 545
Khurana Atik, 877
Kilicdag Hasan, 409
Kim V, 1112
Kochhar Atul Mohan, 361
Kohli Utkarsh, 844, 1127
Kohli V, 367
Kothari Atul, 519
Krishna Kumar, 217
Krishna Kumar P, 135, 539, 544,843
Krishnamurthy B, 431
Krishnamurthy Sriram, 395
Kulkarni M, 789
Kulkarni MK, 101
Kulkarni ML, 245, 353, 937, 1109
Kulkarni PM, 353
Kumar Anand, 353
Kumar Arun, 999
Kumar Arvind, 813
Kumar Ashir, 311
Kumar B.S. Kiran, 535
Kumar C.Udhay, 29
Kumar Dinesh, 417
Kumar Lalit, 1033
Kumar P, 170
Kumar R. Arvind, 989
Kumar S, 675
Kumar Sunesh, 669
Kundu ZS, 1107
Kurkere PA, 437
Kuruvilla KA, 527
La Gamma Edmund F, 1011, 1019

Authors' Index

Lahiri Keya R, 1130
Lal Shiv, 43, 1095
Lalitha AV, 945
Lata Sneh, 405
Lamabadusuriya SP, 871
Larijani Bagher, 593
Lewis Patricia, 39
Lindley Keith J, 907
Lodha Rakesh, 201, 275, 441, 346, 941, 979
Maggiori Guiseppe, 809
Mahadevan S, 99, 359, 450, 543
Mhapankar Abhijit, 250
Mahajan Goldaa, 1122
Maharajan Milan, 537
Mahender E, 237
Mahesh TK, 353
Mahesh Uma, 161
Maheshwari Ankit, 901
Makuloglu Melike, 731
Malathi S, 617, 237
Malhotra Neena, 669
Malhotra Saurabh, 897
Malhi Prabhjot, 106
Maliye C, 139
Mandal Ravi N, 249
Manipady Shahnawaz, 634
Manja Vidze I. Chkhaidzę N, 569
Manjunath KS, 245
Manjunath Nona Vinakere P, 515
Monahar Ram, 975
Maria Arti, 499
Maru H, 789
Marwaha RK, 877
Marya KM, 1107
Marquez Aida, 1085
Matani Deepa, 101, 245
Mateen MA, 681
Mathadh Prakash, 1109
Mathai Betsy, 577
Mathur NB, 395, 499
Mathew John, 107
Mathews Lulu, 544
Matoo SK, 105
Meena Kesh Ram, 413
Mehta Geeta, 1039
Mehta Rajeev, 1005
Mehta Rajiv, 25
Mendiratta DK, 543
Menezes RG, 643
Menon PSN, 65, 67
Mishra D, 835
Mishra Devendra, 104
Mishra OP, 1077
Mishra TK, 395
Misra Purnima, 417
Misra Samir, 221
Mitra DK, 999
Mittal Gaurav, 151
Mittal Pankaj, 975
Mittal Poonam C, 417
Mittal SK, 205
Maoyyeri Alituza, 593
Mohammead Zadeh Ashraf, 171
Mohanty Dipika, 985
Mondal RK, 157, 623
Moorjani JS, 603
Moorthy D, 799
Morales Alfonso J. Rodriguez, 935
More Vaishali, 447
Mukhopadhyay Maya, 631
Mukhopadhyay Sagori, 351
Mullerpatan P, 735
Murmu Udhay C, 577
Mustalahti K, 711
Nagendra K, 535
Nair PMC, 838
Nammalwar BR, 237
Nanavati RN, 439
Nanaware Sameer Kumar V, 597
Nanjudaswamy Shakuntala, 25
Narang Manish, 97, 372
Narayan Shashi, 445
Narayan P, 99
Narendran G, 627
Naseri Mohsen, 197
Natraj G, 489
Naushad K, 843
Naushad SM, 503
Navadgi SM, 735
Navas Rosa M, 935
Nedunehelian K, 989
Nemsadze K, 569
Nepal Ait, 537
Nguyen TT An, 89
Niboshi Ayumi, 49
Niduvaje Krishnamoorthy, 573
Nishida Manashi, 49
Nooreyazdan S, 367
Okten Aysemur, 731
Olabisi Dedeke, 1081
Oner Ahmet Faik, 531
Oyeku Oyelami, 1081
Ozcan Kenan, 1124
Pacheco Maivelys, 935
Padmaraj K, 1041
Pal Nikhil, 515
Palat Ramakrishna, 135
Pamuk Omer Nuri, 143
Panda CS, 799
Panda Naresh K, 283
Pandey Akshat, 1044
Pandey RM, 974
Pandit Shobhana P, 1130
Pant P, 370
Parekh TB, 439
Parmar V, 367
Parmar Veena R, 131
Parra Reinaldo, 935
Parthasarthy P, 205
Pathak D, 423
Patel Kamlesh, 585
Patel ZM, 885
Patil SJ, 287
Patwari AK, 445
Paul Ritu, 153
Paul Yash, 168, 744
Petrova Anna, 25, 1005
Phadke R. Subha, 287, 609, 840, 1115
Pillay VV, 634
Poblano Adrian, 1085
Poddar Banani, 131
Pol Ramesh R, 452
Pradhan Mandakini, 609
Pramanik Shanto, 631
Prasad Krishna C, 503
Prasad Maya, 843
Prasad Rajniti, 1077
Prasanth, 843
Puri Ratna D, 163
Raghupathy V, 617
Rahbarimanesh Ali Akbar, 197
Rahnama'I MS, 771
Rajasekeran S, 627
Rajajee Sarala, 229
Rajeshwari, 103
Rajendran VR, 1105
Rajnith G, 95
Rajput R, 356
Ramachandra Nallur B, 431
Ramachandran VG, 519
Ramakrishnan K, 881
Rana Rajiv, 585
Randhawa VS, 1039
Ranganathan S. Sri, 871
Rani D.Vimala, 617
Ranjit Suchitra, 889
Rao Nagesh Kumar G, 634
Rao P.Chandrasekhar, 681
Rao Subba, 945
R. Sarfaraz Nawaz, 245
Ratageri Vinod H, 452
Rattan KN, 1107
Ratnam Vani, 405
Ravi Kiran, 373
Ravi Kumara M, 717
Ravishankar, 843
Rawat AK, 975
Reddy DN, 681
Reddy P. Sudhershan, 681
Rehan Virender K, 1027
Rongkavilitchokechai, 335
Rout Pritilata, 945
Roy Joseph, 573

Authors' Index

Roy KK, 669
Ruel Jean, 163
Sahu Jitendra K, 169, 949
Saheed Oseni, 1081
Sailakshmi, 103
Salamati Payman, 197
Saleem Sheena, 681
Saloti Rashim, 97
Samdani PG, 523
Samdani Vinit, 523
Sandhu A, 767
Sandhu BK, 717
Sangwan SS, 1107
Sankar Janani, 451
Sankar R, 799
Sankar VH, 1115
Saran Ravindra Kumar, 361
Sargod Saran S, 535
Sarin YK, 369, 423
Sarkar UN, 623
Sathiadas MG, 871
Sathiyasekeran Malathi, 161, 229, 451, 723
Sathish S, 627
Satish B, 95
Savitha MR, 431
Saxena Anita, 949
Schultink Werner, 479
Sehgal Arvind, 1007
Sen Rajiv, 537
Sengar M, 369
Senguttuvan Prabha, 104
Seth Manpreet, 104
Seth Mini, 61
Seth Tulika, 1036
Sethuraman S, 989
Shah Dheeraj, 435
Shah RC, 735
Shailesh, 945
Shanbag Preeti, 447
Sharda Sheetal, 609
Sharma JB, 669
Sharma Minal, 295
Sharma MP, 813
Sharma Navratan, 413
Sharma Nidhi, 901
Sharma Pramod, 413
Sharma S, 832
Sharma SC, 441
Sharma Shyam B, 947
Sharma Sunita, 445,
Sharma Suvasini,361, 835
Sharma VK, 205
Shashiraj, 225
Shen-Schwarz Susan, 25
Shenoy Nivedita, 937
Shende Niraj, 687
Shepur TA, 452
Shetty V, 437
Shiraishi Isao, 49
Shivbalan SO, 723, 103
Sholapurwala R, 789
Sialy R, 356
Siddhartha Tanuj, 783
Simmonds Aryeh, 1011, 1019
Sinha A, 369
Sinha Anindita, 1036
Singh Akhil Kant, 901
Singh D, 832
Singh Devinder, 241
Singh Dharmendra K, 897
Singh Girish, 1045
Singh GP, 147
Singh Ishwar, 209, 537
Singh J, 367
Singh Kunwarpal, 1122
Singh LH, 795
Singh Ramanbir, 541
Singh Rupa, 249
Singh Utpal Kant, 1077
Singh Vinita, 147
Singhi P, 168
Singhi Pratibha, 106
Singhi S, 771
Singhi Sunit, 168
Singhi Sunit C, 55, 305
Somencer Salih, 227
Soha Abhijeet, 543
Sood Manu R, 927
Soondarum K, 913
Sozubir Selami, 364
Sr.Maria Liza, 39
Srilakshmi R, 617
Srinivasan, 577
Sriraam M, 541
Srivastava N, 767
Sudeep K, 107
Sudip Singh Sachedev, 97
Sumanasena S, 871
Surendrababu NRS, 527
Suresh N, 229, 451
Surve Talib Y, 151
Suvarna Jyoti, 427
Swaminathan Soumya, 627
Talesra K, 949
Tandon Nitya, 697
Tandon RK, 221
Tarcan Aylin, 409
Thadani Anjana, 789
Thapa BR, 1122
Thapa Rajoo, 631
Thulkar Sanjay, 241, 1036
Tiker Filiz, 167, 407
Tinku Sophia, 405
Tinuade Ogunlesi, 1081
Tiwari J. Sangita, 799
Tripathy Rakesh, 947
Tripathy S, 795
Tryambake VH, 509
Tullu Milind S, 1130
Udani RH, 439
Uhay Kumar C, 450
Udupa KV, 735
Ul-Haque Farhan, 431
Ulusoy Sevgi, 227
Uma Maheshwari, 217
Upadhyay Amit, 201
Uthup Susan, 95
Uygun Sedat, 143
Vaideeswar Pradeep, 1130
Vani HN, 245, 353, 937
Varma Surendra K, 79
Vasanti T, 451
Vasu CK, 1105
Venkataraman R, 55
Venkatasubramani Narayan,927
Venkatesh C, 237
Venkatesh Renuka, 743
Venkatesh S, 43
Verma Bela, 250
Verma IC, 163
Verma Sanjay, 435
Verma Vandana, 33
Vijayakumar M, 237
Vijayasekaran D, 987
Vilhekar KY, 543
Vitrinel Ayca, 1119
Wahed Mohammad A, 493
Wakhlu AK, 221
Wakhlu Ashish, 221
Walia Anuj, 1112
Walia Mandeep, 275
Walker Christa L. Fisher, 493
Warang Prashant, 985
Warne Garry L, 81, 89
Wazir S, 170
Yachha SK, 819
Yadav V, 1107
Yanardag Halil, 143
Yildizdas Dincer, 1124
Yilmaz Nebi, 531
Yunesian Masood, 197
Yunus Mohammed, 143
Zaheeruddin M, 937
Zaman Khalequz, 493
Zlotkin David, 79